

Title (en)
BIOMOLECULE-LINKED BIOMIMETIC SCAFFOLDS

Title (de)
BIOMOLEKÜL-VERBUNDENE BIOMIMETISCHE GERÜSTE

Title (fr)
SQUELETTES BIOMIMÉTIQUES LIÉS À UNE BIOMOLÉCULE

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Application
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- US 2007061253 W 20070129
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Abstract (en)

[origin: WO2007146261A2] The invention provides a composition comprising a nanofiber polymer in which the fibers of the nanofiber polymer are aligned, and a molecule is covalently attached, either directly or through a linker, to the nanofiber polymer. This molecule is capable of either covalently or non-covalently attaching to a member selected from an extracellular matrix component, a growth factor, and combinations thereof. The invention also provides methods of making the composition and methods of using the compositions to add new tissue to a subject, such as a human.

IPC 8 full level

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Citation (search report)

- [E] WO 2007090102 A2 20070809 - UNIV CALIFORNIA [US], et al
- [Y] US 5053453 A 19911001 - KU CECILIA S L [US]
- [Y] ZUWEI MA ET AL: "Grafting of Gelatin on Electrospun Poly(caprolactone) Nanofibers to Improve Endothelial Cell Spreading and Proliferation and to Control Cell Orientation", TISSUE ENGINEERING, 1 July 2005 (2005-07-01), United States, pages 1149 - 1158, XP055027680, Retrieved from the Internet <URL:http://online.liebertpub.com/doi/pdf/10.1089/ten.2005.11.1149> [retrieved on 20120521], DOI: 10.1089/ten.2005.11.1149
- See references of WO 2007146261A2

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DOCDB simple family (publication)

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